

Title (en)
EXFOLIATED GRAPHITE SHEET

Title (de)
BLÄHGRAPHITFLÄCHENGEBILDE

Title (fr)
FEUILLE DE GRAPHITE EXFOLIÉ

Publication
EP 1783097 B1 20130116 (EN)

Application
EP 05765549 A 20050711

Priority
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• JP 2004249137 A 20040827

Abstract (en)
[origin: EP1783097A1] This invention provides an expanded-graphite sheet whose thermal conductivity in their surfacewise directions is relatively uniform and higher than its thermal conductivity in perpendicular direction and which can be produced efficiently at relatively low cost. Because the expanded-graphite sheet is made of expanded graphite alone and has the thermal conductivities in parallel direction of 350 W/(m·K) or more, its thermal conductivities in parallel direction is much higher than its thermal conductivity in perpendicular direction; therefore, it is suitable for the conduction and diffusion of heat. Besides, the expanded-graphite sheet can be produced easily, in a short time, efficiently, at relatively low cost.

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C01B 31/04 (2006.01)

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Cited by
US9774063B2; US9343784B2; US10538691B2; WO2013025595A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1783097 A1 20070509; EP 1783097 A4 20100324; EP 1783097 B1 20130116; CN 1926060 A 20070307; CN 1926060 B 20121024; JP 2006062922 A 20060309; JP 3691836 B1 20050907; US 10538691 B2 20200121; US 2007110661 A1 20070517; US 2017174519 A1 20170622; US 2020190383 A1 20200618; WO 2006022082 A1 20060302

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